

DAFTAR PUSTAKA

- [1] S. Kiyaee, Y. Saboohi dan A. Z. Moshfegh, *A new designed linear Fresnel lens solar concentrator based on spectral splitting for passive cooling of solar cells*, *Energy Conversion and Management*, vol. 230, hal. 113 782, 2021. DOI: 10.1016/j.enconman.2020.113782.
- [2] A. Ziemińska-Stolarska, M. Pietrzak dan I. Zbiciński, *Application of LCA to determine environmental impact of concentrated photovoltaic solar panels—state-of-the-art*, *Energies*, vol. 14, no. 11, hal. 3143, 2021. DOI: 10.3390/en14113143.
- [3] H. Ritchie dan P. Rosado, *Fossil fuels*, *Our World in Data*, 2017, <https://ourworldindata.org/fossil-fuels>.
- [4] A. Ejaz, H. Babar, H. M. Ali et al., *Concentrated Photovoltaics as light harvesters: Outlook, recent progress, and challenges*, *Sustainable Energy Technologies and Assessments*, vol. 46, hal. 101 199, 2021. DOI: 10.1016/j.seta.2021.101199.
- [5] W. E. Council, 2013. Tersedia: https://www.worldenergy.org/assets/images/imported/2013/10/WER_2013_8_Solar_revised.pdf.
- [6] G. Wang, F. Wang, F. Shen, Z. Chen dan P. Hu, *Novel design and thermodynamic analysis of a solar concentration PV and thermal combined system based on compact linear Fresnel reflector*, *Energy*, vol. 180, hal. 133–148, 2019. DOI: 10.1016/j.energy.2019.05.082.
- [7] M. A. Green, E. D. Dunlop, J. Hohl-Ebinger, M. Yoshita, N. Kopidakis dan A. W. Ho-Baillie, *Solar Cell Efficiency Tables (version 55)*, *Progress in Photovoltaics: Research and Applications*, vol. 28, no. 1, hal. 3–15, Des. 2019. DOI: 10.1002/pip.3228.
- [8] F. Karimi, H. Xu, Z. Wang, J. Chen dan M. Yang, *Experimental study of a concentrated PV/T system using Linear Fresnel lens*, *Energy*, vol. 123, hal. 402–412, 2017. DOI: 10.1016/j.energy.2017.02.028.

- [9] A. J. Chatten, K. W. J. Barnham, B. F. Buxton, N. J. Ekins-Daukes dan M. A. Malik, *Quantum dot solar concentrators*, *Semiconductors*, vol. 38, no. 8, hal. 909–917, Agu. 2004. DOI: 10.1134/1.1787111. Tersedia: <https://doi.org/10.1134/1.1787111>.
- [10] A. L. Luque dan A. Viacheslav, ?Concentrator photovoltaics.? Springer-Verlag, 2007. Tersedia: 10.1007/978-3-540-68798-6.
- [11] BSQ Solar, ?Manufacturer of CPV Solar Electric Systems,? Jan. 2022. Tersedia: <https://www.bsqsolar.com/>.
- [12] E. Anderson, M. Antkowiak, R. Butt et al., *Broad overview of energy efficiency and renewable energy opportunities for Department of Defense Installations*, *National Renewable Energy Laboratory Technical Report*, Agu. 2011. DOI: 10.2172/1023698.
- [13] R. V. Parupudi, H. Singh dan M. Kolokotroni, *Low Concentrating Photovoltaics (LCPV) for buildings and their performance analyses*, *Applied Energy*, vol. 279, hal. 115 839, 2020, ISSN: 0306-2619. DOI: 10 . 1016 / j . apenergy . 2020 . 115839. Tersedia: <https://www.sciencedirect.com/science/article/pii/S0306261920313167>.
- [14] A. R. Zanatta, *Revisiting the optical bandgap of semiconductors and the proposal of a unified methodology to its determination*, *Scientific Reports*, vol. 9, no. 1, Agu. 2019. DOI: 10.1038/s41598-019-47670-y.
- [15] J. Adeeb, A. Farhan dan A. Al-Salaymeh, *Temperature effect on performance of different Solar Cell Technologies*, *Journal of Ecological Engineering*, vol. 20, no. 5, hal. 249–254, Mei 2019. DOI: 10.12911/22998993/105543.
- [16] W. Xie, Y. Dai, R. Wang dan K. Sumathy, *Concentrated solar energy applications using Fresnel lenses: A Review*, *Renewable and Sustainable Energy Reviews*, vol. 15, no. 6, hal. 2588–2606, 2011. DOI: 10.1016/j.rser.2011.03.031.

- [17] P. Boito dan R. Grena, *Application of a fixed-receiver linear Fresnel reflector in concentrating photovoltaics*, *Solar Energy*, vol. 215, hal. 198–205, 2021. DOI: 10.1016/j.solener.2020.12.024.
- [18] D. Chemisana, M. Ibáñez dan J. Rosell, *Characterization of a photovoltaic-thermal module for Fresnel linear concentrator*, *Energy Conversion and Management*, vol. 52, no. 10, hal. 3234–3240, 2011. DOI: 10.1016/j.enconman.2011.04.008.
- [19] S. Askins, C. Dominguez, G. Nardin et al., *Hiperion: Scale-up of hybrid planar micro-tracking solar panels for rooftop compatible CPV*, *17th International Conference on Concentrator Photovoltaic Systems (CPV-17)*, 2022. DOI: 10.1063/5.0101843.
- [20] A. Ustaoglu, C. Kandilli, M. Cakmak dan H. Torlakli, *Experimental and economical performance investigation of V-trough concentrator with different reflectance characteristic in photovoltaic applications*, *Journal of Cleaner Production*, vol. 272, hal. 123 072, Nov. 2020. DOI: 10.1016/j.jclepro.2020.123072.
- [21] G. Li, Q. Xuan, G. Pei, Y. Su, Y. Lu dan J. Ji, *Life-cycle assessment of a low-concentration PV module for building south wall integration in China*, *Applied Energy*, vol. 215, hal. 174–185, 2018. DOI: 10.1016/j.apenergy.2018.02.005.
- [22] S. Soltani, A. Kasaeian, T. Sokhansefat dan M. B. Shafii, *Performance investigation of a hybrid photovoltaic/thermoelectric system integrated with parabolic trough collector*, *Energy Conversion and Management*, vol. 159, hal. 371–380, 2018. DOI: 10.1016/j.enconman.2017.12.091.
- [23] M. Sabry dan A. Lashin, *Performance of a heat-pipe cooled concentrated photovoltaic/thermoelectric hybrid system*, *Energies*, vol. 16, no. 3, hal. 1438, 2023. DOI: 10.3390/en16031438.
- [24] R. V. Parupudi, H. Singh, M. Kolokotroni dan J. Tavares, *Long term performance analysis of low concentrating photovoltaic (LCPV) systems for*

- building retrofit, Applied Energy*, vol. 300, hal. 117412, Okt. 2021. DOI: 10.1016/j.apenergy.2021.117412.
- [25] M. Alnajideen dan M. Gao, *A new configuration of V-trough concentrator for achieving improved concentration ratio of >3.0x, Solar Energy Materials and Solar Cells*, vol. 245, hal. 111877, Sep. 2022. DOI: 10.1016/j.solmat.2022.111877.
- [26] B. Jereb, *Solar Irradiance Stability Factors, Energies*, vol. 17, no. 18, 2024, ISSN: 1996-1073. DOI: 10.3390/en17184549. Tersedia: <https://www.mdpi.com/1996-1073/17/18/4549>.
- [27] P. J. Lavrakas, *Standard error of the mean, Encyclopedia of Survey Research Methods*, 2008. DOI: 10.4135/9781412963947.n545.

